

Attorney Docket No.: **SIT-0107**
Inventors: **Becker et al.**
Serial No.: **09/876,238**
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In the Specification:

Please replace the paragraph beginning at page 1, line 5,
with the following rewritten paragraph:

A1
--This work was supported by the United States National
Science Foundation (NSF) under awards PHY-9722438 and PHY-9986692,
ECS-98033997, and CTS-0078618; and by the U.S. Defense Advanced
Research Projects Agency (DARPA) under contract DAAD19-99-1-0277.
The U.S. Government has certain rights in this invention.--

Please replace the paragraph beginning at page 7, line 30,
with the following rewritten paragraph:

A7
Cu
--Another embodiment of the present invention provides a
method of generating intense hydrogen Lyman- α or Lyman- β
emissions or atomic oxygen and nitrogen emissions in the spectral
range from 100 nm to 150 nm by placing the MHC discharge device
into a sealed container which contains a high pressure gas or
high pressure gas mixture. The high pressure gas mixture may be
stagnant or may be flowed through the hole(s) in the MHC
discharge device. Figure 3 shows emission spectra from a MHC
discharge operated in high-pressure Ne with a small admixture of
H₂ at 0.5 Torr. Two figures are shown, a scan covering the
entire wavelength range from 70 to 125 nm (a) and a scan covering